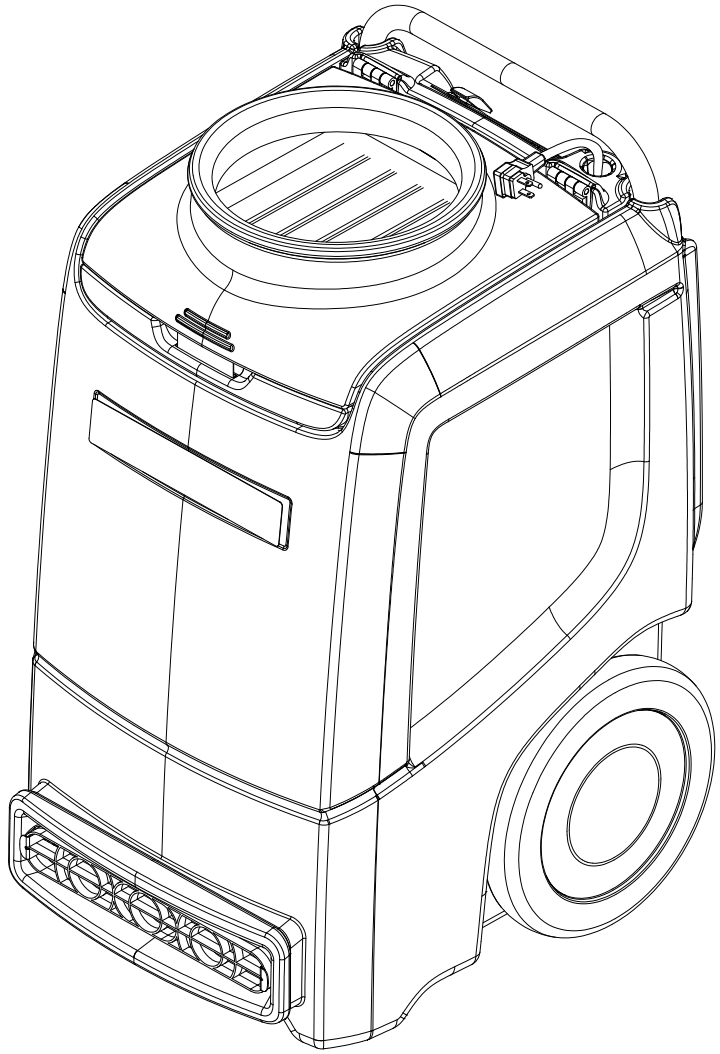
PROCHEM

# TRIDENT

## LGR DEHUMIDIFIER



**Operating instructions (ENG)**

**MODEL:** **10079000**

Read these instructions before using the machine.

86352290-G
01/17/12

Model: _____

Date of Purchase: _____

Serial Number: _____

Dealer: _____

Address: _____

Phone Number: _____

Sales Representative: _____

## Overview

The Trident LGR Dehumidifier is intended for professional disaster restoration and remediation, but can also be used for construction, janitorial / sanitation or other professionals needing to control humidity in an area.

## Warranty Registration

Thank you for purchasing a Prochem product. Warranty registration is quick and easy. Your registration will allow us to serve you better over the lifetime of the product.

To register your product go to :
www.prochem.com/WarrantyRegistration.aspx
For customer assistance:
1-800-776-2436

PROCHEM

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This manual contains the following sections:

- How to Use This Manual
- Safety
- Operations
- Maintenance
- Parts List

The HOW TO USE THIS MANUAL section will tell you how to find important information for ordering correct repair parts.

Parts may be ordered from authorized dealers. When placing an order for parts, the machine model and machine serial number are important. Refer to the MACHINE DATA box which is filled out during the installation of your machine. The MACHINE DATA box is located on the inside of the front cover of this manual.

Model: _____

Date of Purchase: _____

Serial Number: _____

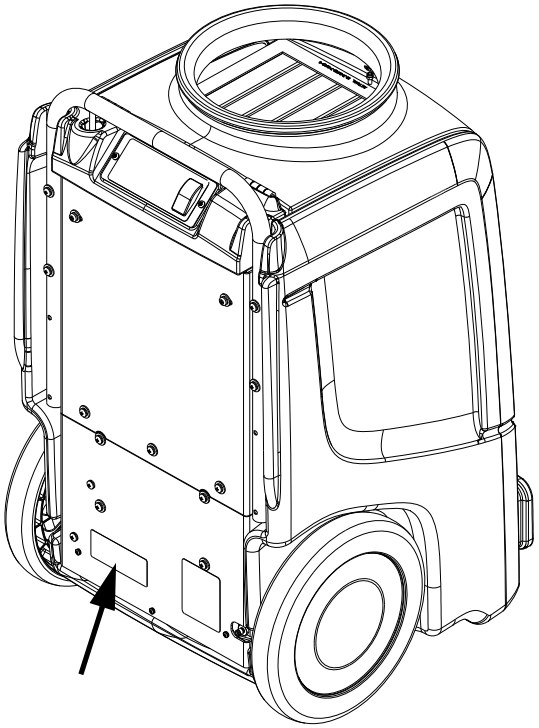
Dealer: _____

Address: _____

Phone Number: _____

Sales Representative: _____

The model and serial number of your machine is located on the back of the machine.



The SAFETY section contains important information regarding hazardous or unsafe practices of the machine. Levels of hazards are identified that could result in product damage, personal injury, or severe injury resulting in death.

The OPERATIONS section is to familiarize the operator with the operation and function of the machine.

The MAINTENANCE section contains preventive maintenance to keep the machine and its components in good working condition. They are listed in this general order:

- Storage
- Maintenance
- Troubleshooting

The PARTS LIST section contains assembled parts illustrations and corresponding parts list. The parts lists include a number of columns of information:

- **REF –** column refers to the reference number on the parts illustration.
- **PART NO.** – column lists the part number for the part.
- **PRV NO.** – reference number.
- **QTY** – column lists the quantity of the part used in that area of the machine.
- **DESCRIPTION** – column is a brief description of the part.
- **SERIAL NO. FROM** – If this column has an (*) and a Reference number, see the SERIAL NUMBERS page in the back of your manual. If column has two asterisk (**), call manufacturer for serial number. The serial number indicates the first machine the part number is applicable to. The main illustration shows the most current design of the machine. When a boxed illustration is shown, it displays the older design.
- **NOTES** – column for information not noted by the other columns.

*NOTE: If a service or option kit is installed on your machine, be sure to keep the KIT INSTRUCTIONS which came with the kit. It contains replacement parts numbers needed for ordering future parts.*

*The manual part number is located on the lower left corner of the front cover.*

# IMPORTANT SAFETY INSTRUCTIONS

## When using this machine, basic precaution must always be followed, including the following:

## READ ALL INSTRUCTIONS BEFORE USING THIS MACHINE.

**⚠WARNING: To reduce the risk of fire, electric shock, or injury:**

Use only indoors. Do not use outdoors or expose to rain or water.

Use only as described in this manual. Use only manufacturer's recommended components and attachments.

Do not operate the machine with any openings blocked. Keep openings free of debris that may reduce airflow.

Do not operate this machine near flammable fluids, dust or vapors.

Maintenance and repairs must be done by qualified personnel.

The machine shall only be operated by instructed and authorized persons.

Do not handle the plug or machine with wet hands.

Do not unplug machine by pulling on cord. To unplug, grasp the plug, not the cord.

Do not use with damaged cord or plug.

Do not pull or carry by cord, use cord as a handle, run over cord, close a door on cord, or pull cord around sharp edges or corners.

Connect to a properly grounded outlet.

Connect only to an outlet provided with a ground fault circuit interrupting device (GFCI).

Do not use this dehumidifier with any solid-state speed control device.

Never service or clean the unit while plugged in.

Do not operate without safety guards properly installed and secured.

# READ AND SAVE THESE INSTRUCTIONS

# CONSIGNES IMPORTANTES DE SÉCURITÉ

Lors de l'utilisation d'un appareil électrique, il faut toujours observer des précautions élémentaires, qui comprennent parmi celles-ci:

**LISEZ BIEN L'ENSEMBLE DES CONSIGNES AVANT D'UTILISER CET APPAREIL.**

**⚠ AVERTISSEMENT:**

Utilisez-le exclusivement dans des endroits fermés. Ne l'utilisez pas en plein air et ne le laissez pas sous la pluie.

Utilisez-le exclusivement de la manière décrite dans ce manuel. Utilisez exclusivement les composants et les fixations recommandés par le fabricant.

Ne faites pas fonctionner l'appareil si des ouvertures sont bouchées. Dégagez des ouvertures tous débris susceptibles d'entraver le passage de l'air.

Ne faites pas fonctionner cet appareil à proximité de fluides, de poussières ou de vapeurs inflammables.

Les travaux de maintenance et de réparation doivent absolument être effectués par du personnel qualifié.

L'utilisation de l'appareil est exclusivement réservé à des personnes formées et autorisées.

Ne manipulez pas la fiche ou l'appareil les mains mouillées.

Ne débranchez pas l'appareil en tirant sur le cordon. Pour le débrancher, empoignez la fiche, non pas le cordon.

N'utilisez pas l'appareil si le cordon ou la fiche est endommagé(e). Observez toutes les consignes figurant dans ce manuel au sujet de la mise à la terre de l'appareil.

Ne tirez pas sur le cordon, ne portez pas l'appareil par le cordon, n'utilisez pas le cordon comme poignée, ne fermez pas une porte sur le cordon, ne tirez pas sur le cordon dans des angles ou des coins pointus.

Raccordez l'appareil à une prise adéquatement reliée à la terre. Voir les Consignes de mise à la terre.

Utilisez-le uniquement sur des réceptacles protégés GFCI.

N'utilisez pas ce déhumidifier avec quelconque dispositif de contrôle de la vitesse à l'état solide.

Ne jamais entretenir ou nettoyer l'unité pendant qu'a branché sur.

Ne pas fonctionner sans les gardes de sécurité convenablement installé et obtenu.

# CONSERVEZ CES CONSIGNES

The following symbols are used throughout this guide as indicated in their descriptions:

## HAZARD INTENSITY LEVEL

There are three levels of hazard intensity identified by signal words -**WARNING** and **CAUTION** and **FOR SAFETY**. The level of hazard intensity is determined by the following definitions:

**⚠WARNING:**

**WARNING** - Hazards or unsafe practices which COULD result in severe personal injury or death.

**⚠CAUTION:**

**CAUTION** - Hazards or unsafe practices which could result in minor personal injury or product or property damage.

**FOR SAFETY: To Identify actions which must be followed for safe operation of equipment.**

Report machine damage or faulty operation immediately. Do not use the machine if it is not in proper operating condition. Following is information that signals some potentially dangerous conditions to the operator or the equipment. Read this information carefully. Know when these conditions can exist. Locate all safety devices on the machine. Please take the necessary steps to train the machine operating personnel.

**FOR SAFETY:**

DO NOT OPERATE MACHINE:
Unless Trained and Authorized.
Unless Operation Guide is Read and understood.
In Flammable or Explosive areas.
In areas with possible falling objects.

**WHEN SERVICING MACHINE:**
**Avoid moving parts. Do not wear loose clothing; jackets, shirts, or sleeves when working on the machine.**
**Use only manufacturer approved replacement parts**

Les symboles ci-dessous sont utilisés à travers ce manuel comme illustré dans leurs descriptions:

## DEGRÉS DE RISQUES EN CAS DE DANGER

Il existe trois degrés de risques identifiés par les termes signalétiques -**AVERTISSEMENT** et **ATTENTION** et **POUR VOTRE SÉCURITÉ**. Le degré de risque est défini de la manière suivante:

### ⚠ AVERTISSEMENT:

**AVERTISSEMENT** - Dangers ou méthodes dangereuses qui POURRAIENT provoquer de graves blessures ou entraîner la mort.

### ⚠ ATTENTION:

**ATTENTION** - Dangers ou méthodes dangereuses qui pourraient provoquer des blessures légères ou une détérioration du produit ou des biens immobiliers.

**POUR VOTRE SÉCURITÉ: ce signe permet d'identifier les mesures de précaution à prendre pour assurer un bon fonctionnement du matériel.**

Rendre compte immédiatement d'une défaillance ou d'une détérioration de la machine. Ne pas utiliser la machine si celle-ci ne fonctionne pas correctement. Lire soigneusement les informations ci-dessous signalant certains dangers potentiels pour l'opérateur de la machine. L'opérateur doit être absolument au courant de ces dangers potentiels. Localiser tous les dispositifs de sécurité sur la machine. Il est conseillé de prendre les mesures nécessaires pour former le personnel opérateur.

**POUR VOTRE SÉCURITÉ:**

NE PAS MANOEUVRER LA MACHINE:

Lorsqu'on n'est pas expérimenté ou qualifié.

Lorsque le guide d'utilisation n'est pas été lu ou compris.

Dans des zones inflammables ou explosives.

Dans des zones où des objets peuvent tomber.

**LORS DE L'ENTRETIEN DE LA MACHINE:**

**Éviter les parties amovibles. Ne pas porter de vêtements amples, tels que des vestes, des chemises ou des vêtements avec manches lors de l'utilisation de la machine. Utiliser les pièces détachées Windsor homologuées**.

## 115V Grounding Instructions

ELECTRICAL:

In the USA this machine operates on a standard 15 amp 115V, 60 hz, A.C. power circuit. The amp, hertz, and voltage are listed on the data label found on each machine. Using voltages above or below those indicated on the data label will cause serious damage to the machine.

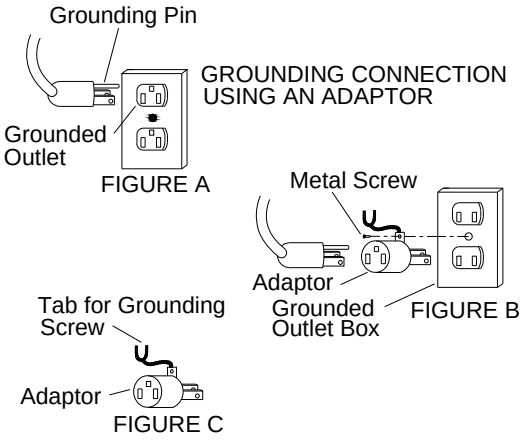
EXTENSION CORDS:

If an extension cord is used, the wire size must be at least one size larger than the power cord on the machine, and must be limited to 50 feet (15.5m) in length.

GROUNDING INSTRUCTIONS:

This appliance must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

This appliance is for use on a nominal 120-volt circuit, and has a grounded plug that looks like the plug in "Fig. A". A temporary adaptor that looks like the adaptor in "Fig. C" may be used to connect this plug to a 2-pole receptacle as shown in "Fig. B", if a properly grounded outlet is not available. The temporary adaptor should be used only until a properly grounded outlet (Fig. A) can be installed by a qualified electrician. The green colored rigid ear, lug, or the like extending from the adaptor must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adaptor is used, it must be held in place by a metal screw.




Note: Adaptors are not allowed in Canada.

**⚠WARNING:**

***Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the appliance - if it will not fit the outlet, have a proper outlet installed by a qualified electrician. Use only GFCI protected receptacles.***

**⚠ AVERTISSEMENT:**

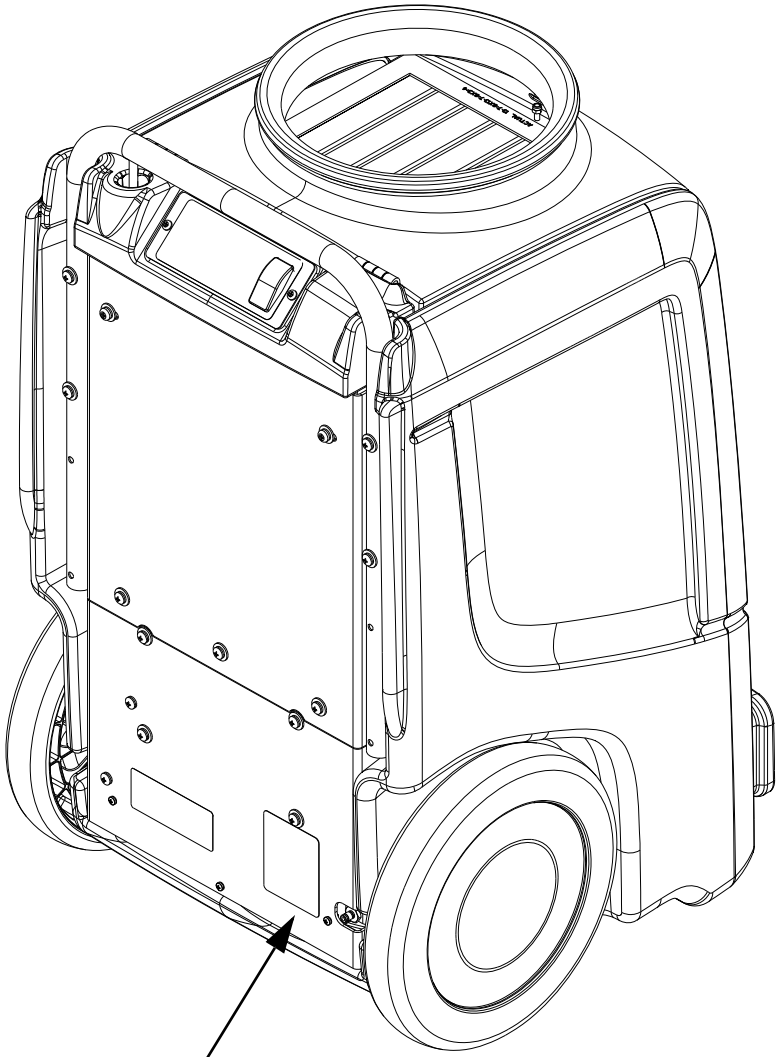
***Le raccordement incorrect du conducteur de terre d'équipement peut entraîner des risques d'électrocution. Vérifiez auprès d'un électricien qualifié ou d'un responsable de l'entretien si vous avez quelque doute que ce soit quant au raccordement à la terre de votre prise murale. Ne modifiez pas la fiche fournie avec l'appareil : si elle ne correspond pas à la prise murale, faites installer une prise adéquate par un électricien qualifié. Utilisez-le uniquement sur des réceptacles protégés GFCI.***

## Safety Label Location

*NOTE: These drawings indicate the location of safety labels on the Machine. If, at any time, the labels become illegible contact your authorized representative for prompt replacement.*

## Emplacement De L'étiquette De Sécurité

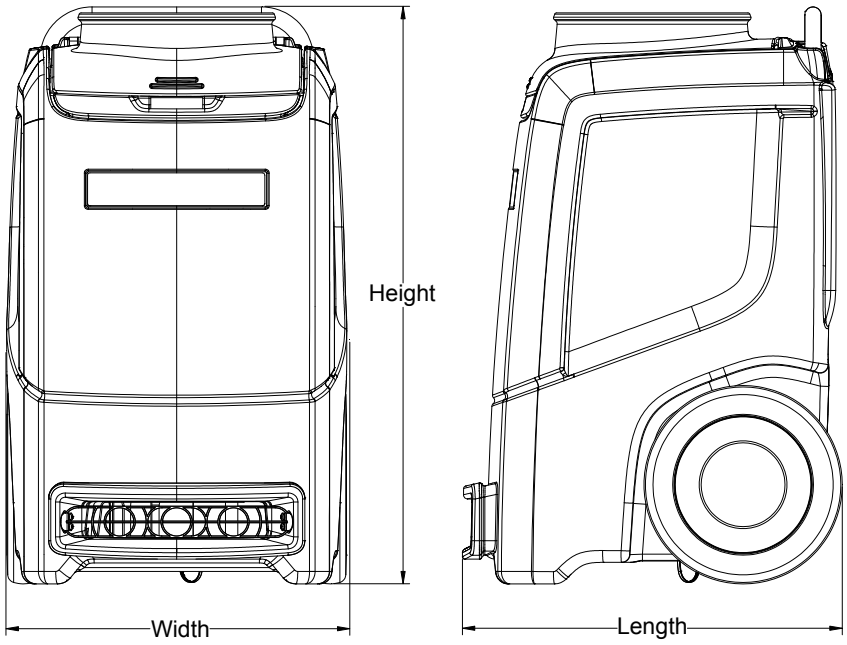
*REMARQUE : Ces dessins indiquent l'emplacement des étiquettes de sécurité sur la machine. Si, à tout moment, les étiquettes deviennent illisibles, contactez votre représentant autorisé pour un remplacement rapide.*



Warning Label
8.633-839.0

## Technical Specifications

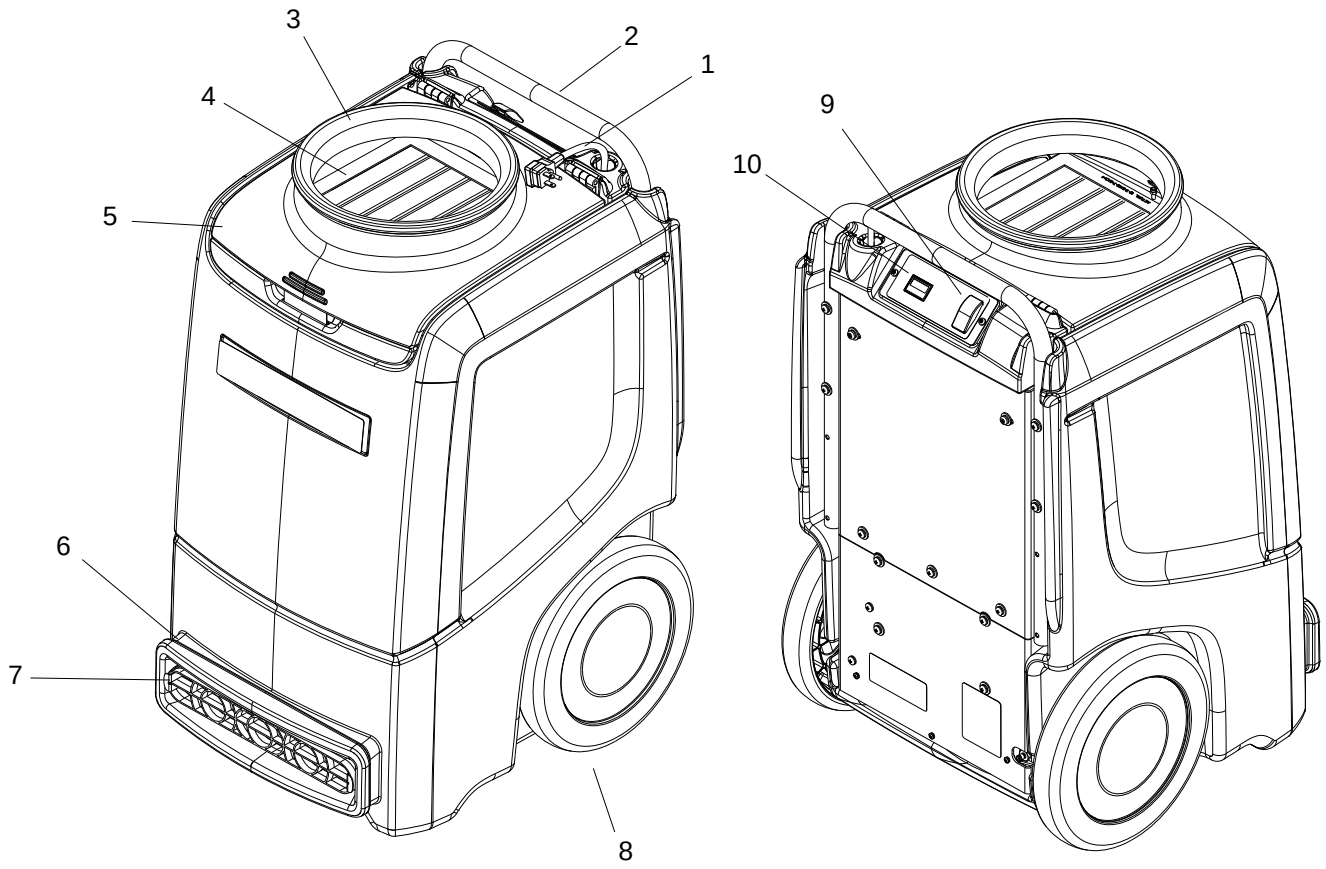
| ITEM | MEASURE |
|---|---|
| Height | 35 In (89 cm) |
| Length | 23 In (58 cm) |
| Width | 20.5 In (52 cm) |
| Cord | 25’ X 14 Gauge / 3 Wire Black |
| Body Construction | Rotationally Molded Polyethylene |
| Frame Construction | Powder Coated Steel |
| Refrigerant | R410A / 630 grams |
| Water extraction / Day | 110 pints @ 80°F/60% RH |
| Max Process Air rate | 350CFM / 10 CMH |
| **Electrical** | |
| Fan | 2.4 Amps @ 110 / 120 VAC 60 Hz |
| Compressor | 6.0 Amps @ 110 / 120 VAC 60 Hz |
| Total Power | 8.4 Amps @ 110 / 120 VAC 60 Hz |




## SPECIAL NOTES:

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

The ambient sound pressure level was measured to be 68.3 dBA. This was a nearfield, broadband measurement taken in a typical industrial environment on a tile floor.




## Components

1. Power Cord
2. Handle
3. Intake Nozzle/Cord Storage
4. Filter
5. Housing Lid
6. Ducting Flanges
7. Exhaust Nozzle
8. Wheels
9. Power Switch
10. Hour Meter

## How to Transport Dehumidifier

1. Wrap the power cord around intake nozzle.
2. Tilt on back wheels with exhaust outlet pointing up.
3. Pull by handle.
4. Place the machine back down on its base.
5. Position exhaust as desired.

## Cord Storage

Fans power cord is best stored around neck of intake nozzle.

1. Turn off machine.
2. Working from machine to cord plug end, lay cord out straight, remove any twists as you go.
3. Make a 2” loop in cord near strain-relief then wrap cord snugly around neck of intake nozzle coiling from bottom up.
4. Allow cord to untwist as you coil cord around intake neck.
5. Secure cord end by attaching cords plug retaining clip to cord of the previous loop.

## Storing in Warehouse and in Delivery Truck:

Dehumidifiers should always be stored and transported in an upright position. If the dehumidifier is transported in a horizontal position, upon being set upright the unit should not be operated for 30 minutes. Always store the dehumidifier inside away from weather, in an area not exposed to excessive heat or cold.

## Operating Dehumidifier

**⚠ CAUTION:**

***Never allow anything to block intake airflow. Be careful of objects which could be drawn against intake. The fan must sit on a level surface. Always position and orient machine before turning on.***

**⚠ ATTENTION:**

***Ne permettez jamais à quoi que ce soit de bloquer l'entrée d'air. Faites attention aux objets qui pourraient être attirés contre l'entrée d'air. Le ventilateur doit reposer sur une surface de niveau. Dirigez et orientez toujours le ventilateur avant de l'allumer.***

For best results, operate dehumidifier in enclosed space. Close all exterior doors and windows. Keep traffic through drying area to a minimum

1. Connect drain hose to condensate pump's quick connect fitting.
2. Uncoil and straighten entire hose; to prevent water backing up to pump and leaking.
3. Place other end in a sink drain bucket or outside, no more than 10 ft above pump.

*NOTE: If a bucket or other receptacle is used for water collection, check and empty regularly to prevent spills.*

4. Plug in electrical cord into 115 volt GFCI protected outlet rated for minimum 15 amps.
5. Turn the machine on.

## Ducting

**⚠ WARNING:**

***Switch off and unplug machine from its power source before connecting ducting.***

**⚠ AVERTISSEMENT:**

***Arrêtez et débranchez le ventilateur de sa source d'énergie avant de relier la canalisation.***

**⚠ WARNING:**

***Be aware that ducting will move as it inflates or has air moving through it.***

**⚠ AVERTISSEMENT:**

***Prenez conscience que la canalisation se déplacera alors qu'elle se gonflera ou alors que l'air passera à travers.***

## Exhaust Ducting

1. Place quick-ducting band over lay-flat duct approximately 1 foot from end.
2. Slide ducting 3 or 4 inches over front exhaust nozzle, make sure it is even all around.
3. Secure in place by sliding quick-ducting band along ducting and over exhaust ducting flange.
4. Verify that ducting is sandwiched between machine exhaust nozzle and quick-ducting band and even all around making a good seal.
5. Position machine and ducting in desired orientation and location.
6. Plug machine into power source.
7. Switch machine on.
8. Observe ducting as air starts to flow through it, ducting may move around.

## Intake Ducting

1. Unwrap cord from cord storage area.
2. Place a quick-ducting band over ridged spiral duct about 1 foot from end.
3. Slide ducting 3 or 4 inches over top intake nozzle, make sure it is even all around.
4. Secure in place by sliding quick-ducting band along ducting and over the intake ducting flange.
5. Verify that ducting is sandwiched between machine intake nozzle and quick-ducting band.
6. Position machine and ducting in desired orientation and location.
7. Plug machine into power source.
8. Switch machine on.
9. Observe ducting as air starts to flow through it, ducting may move around.

## Back Draft Prevention

**⚠WARNING:**

**Exhausting too much air from a space with Open Combustion Devices (e.g. furnace, fireplace or water heater) can cause those devices to back draft. This can contaminate the space with potentially fatal gases.**

**Évacuer trop d'air d'un espace avec des appareils à combustion ouverte (p  ex., fournaise, foyer ou chauffe-eau) peut entraîner un refoulement de ces appareils. Cela peut contaminer l'espace avec des gaz potentiellement mortels.**

Use the machine as a dehumidifying unit only. Exhausting no air from the space and thus causing no negative pressure or back drafting.

**OR**

Exhaust a very limited amount of air, which does not cause back drafting.

**OR**

Direct one or more forced air outlet ducts into the room with combustion devices. This will positively pressurize the room, thus preventing back drafting.

**⚠WARNING:**

**When exhausting air from a space, always check Combustion Devices with the machine running to guarantee that back draft prevention measures are working.**

**En évacuant l'air d'un espace, toujours vérifier que le ventilateur des appareils à combustion ouverte est en marche pour garantir l'efficacité des mesures de prévention antirefoulement.**

## Purging Dehumidifier

1. After space reaches desired humidity level, press switch to Purge. This manually empties water from the condensate pump reservoir.
2. Hold switch to purge setting until the pump is empty.
3. Disconnect drain hose.

*NOTE: The drain hose will be full of water. Take precautions to avoid spilling in undesirable areas.*

## Service Schedule

| | | |
|---|---|---|
| **Power Cord** | Daily | Inspect for wear, fraying or cuts. |
| **Filter** | Daily | Inspect, vacuum up to 3 times, replace as needed |
| **Coils** | Monthly | Inspect, clean when visibly dirty |
| **Heat Exchange Block** | Monthly | Inspect, clean with compressed air only when needed. |
| **Condensate Pump** | Monthly | Inspect, clean when needed. |
| **Condensate Drip Tray** | Monthly | Inspect, clean when needed. |

## Cleaning Dehumidifier

**⚠WARNING:**

***Do not perform any cleaning operations with the unit plugged into power.***

***N'effectuez aucun nettoyage avec l'unité branchée à la source d'alimentation électrique.***

To maximize dehumidifier performance, replace the air filter often and clean the internal components when they become dirty.

1. Unplug unit from power.
2. Remove drain tube from machine.
3. Open housing lid, remove air filter.
4. Remove 4 screws, with hardware and handle.
5. Remove 5 screws with hardware and back panel.
6. Remove 4 screws with hardware and condensate pump panel.
7. Remove cover, inner fairing and upper housing.
8. Remove air-to-air heat exchanger block.
9. Inspect all internal components for debris buildup.

**⚠CAUTION:**

***Do not use high pressure water to clean any of the internal components of the dehumidifier.***

***N'utilisez pas l'eau à haute pression pour nettoyer les composants internes du déshumidificateur.***

10. If necessary use a foaming refrigerant coil cleaner to clean the evaporator and condenser.
11. Wash the air-to-air heat exchanger and any other internal components that have debris buildup with warm soapy water.

## Replace Condensate Pump

The condensate pump removes water that collects in the reservoir.

1. Turn off and unplug unit from power.
2. Remove condensate pump panel.
3. Disconnect pump hose.
4. Disconnect pump wiring.
5. Remove pump bracket and pump.

## Fan Replacement

The motorized impeller has internal thermal overload protection. If defective, the complete assembly must be replaced.

1. Unplug power cord.
2. Remove condensate cover to disconnect the impeller fan leads.
3. Remove the four screws attaching the bottom plate to the lower housing.
4. Remove the four screws holding the impeller fan to bottom plate.
5. Reassemble the new impeller fan using the above procedure in reverse.

## Thermistor Replacement

The defrost thermistor is attached to the refrigerant suction line between the accumulator and the evaporator.

1. Unplug unit from power.
2. Remove drain tube from machine.
3. Open housing lid, remove air filter.
4. Remove 4 screws, with hardware and handle.
5. Remove 5 screws with hardware and back panel.
6. Remove 4 screws with hardware and condensate pump panel.
7. Remove cover, inner fairing and upper housing.
8. Remove air-to-air heat exchanger block.
9. Remove right evaporator end cap (4 screws).
10. Replace thermistor.
11. Reassemble the dehumidifier in reverse order of the above steps.

**⚠CAUTION:**

***When replacing the evaporator end cap, ensure that the capillary tubes fit in the relief slot and are not damaged or crimped by the end cap.***

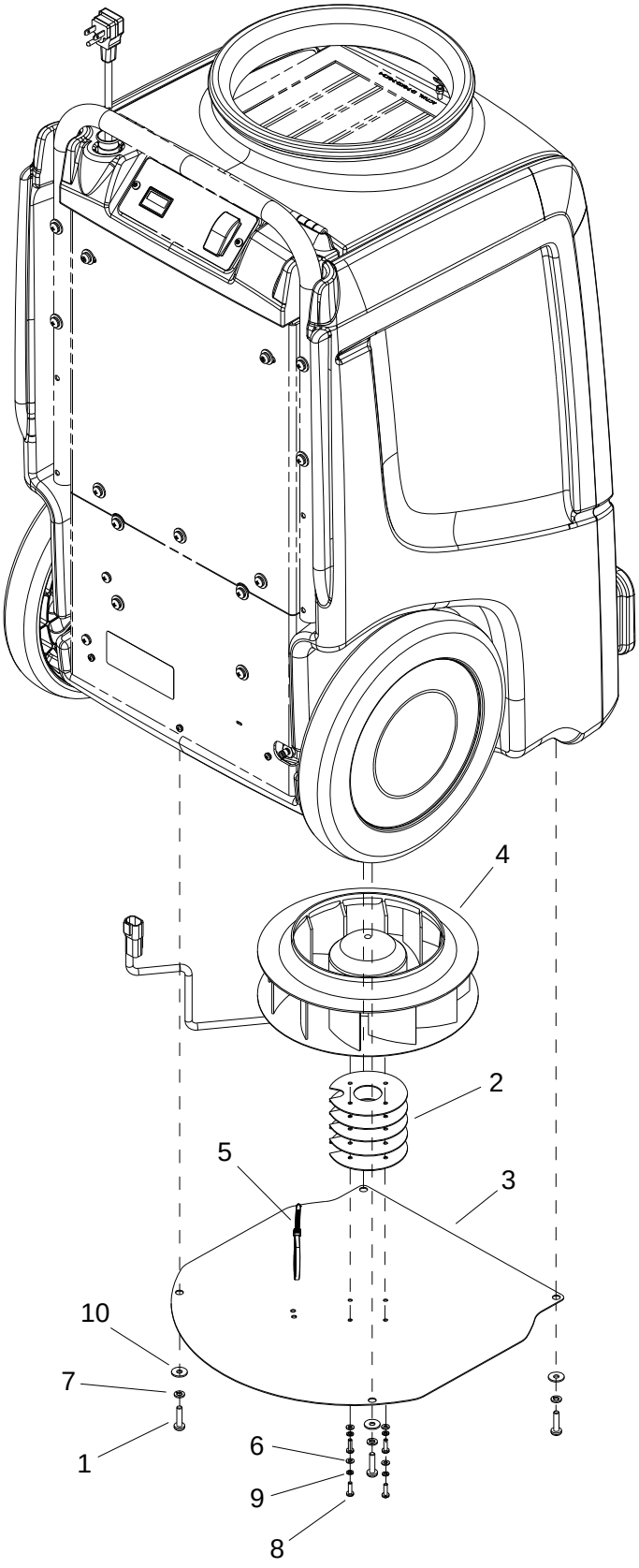
***En remplaçant le capuchon de l'évaporateur, assurez-vous que les tubes capillaires s'ajustent dans la fente de protection et ne sont ni endommagés ni poinçonnés par le capuchon.***

## Troubleshooting

| PROBLEM | CAUSE | SOLUTION |
|---|---|---|
| **Nothing runs** | Defective switch | Replace switch. |
| | Defective control board | Replace control board. |
| | Loose connection in internal wiring | Find and repair loose connection. |
| **Coils don't get hot and cold** | Compressor is not running. | See compressor doesn't run. |
| | Leak in system / refrigerant gone. | Find Leak, Repair, Recharge system. |
| **Compressor doesn't run** | Bad connection in compressor circuit. | Find and repair bad connection. |
| | Defective compressor capacitor. | Replace compressor capacitor. |
| | Defective compressor overload. | Replace compressor overload. |
| | Defective compressor. | Replace compressor. |
| | Defective control board. | Replace control board. |
| | Defective relay. | Replace relay. |
| | Ambient temperature is too low. | Move the machine to a warmer area. |
| **Fan doesn't run** | Defective fan. | Replace impeller fan. |
| | Bad connection in blower circuit. | Find and repair bad connection |
| | Obstruction blocking impeller motion. | Remove blockage. |
| **Machine doesn't extract as much water as expected** | Air Temperature / Humidity has dropped. | Retest Temperature / Humidity, Recalculate |
| | Machine has entered defrost cycle. | Wait 1 hour recheck. |
| | Dirty air filter. | Clean / Replace filter |
| | Frosted coils. | Check / Replace thermister or control board. |
| | Dirty coils. | Clean coils |
| | Low refrigerant charge. | Find Leak, Repair, Recharge system. |
| | Defective compressor. | Replace compressor. |
| | Restrictive exhaust or inlet ducting. | Straighten, unblock ducting. |
| **Water drips from machine** | Condensate pump is defective. | Replace pump. |
| | Drain hose is kinked or plugged. | Straighten / Unplug /check for damage |
| | Pump check valve is plugged. | Unplug valve. |
| | Bad connection in pump circuit. | Find and repair bad connection |
| | Hose is disconnected internally. | Reconnect hose. |
| | Defective control board. | Replace control board. |
| **Compressor, pump or fan runs when power switch is OFF** | Incorrect wiring. | Repair wiring. |

*Notes:*

# PARTS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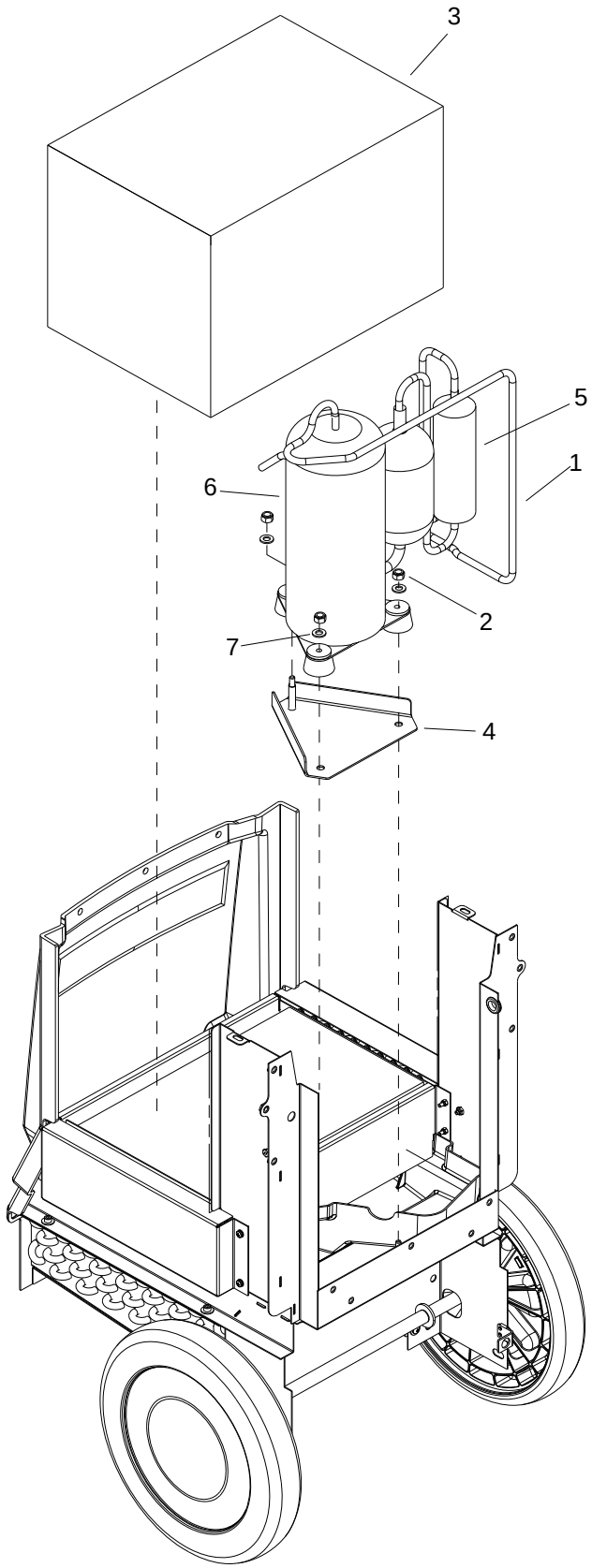
| REF | PART NO. | QTY | DESCRIPTION | SERIAL NO. FROM | NOTES |
|---|---|---|---|---|---|
| 1 | 86349360 | 8 | SCR, PHMS M6 X 25 SS | | |
| 2 | 86341580 | 5 | SPACER, DEHU IMPELLER | | |
| 3 | 86337710 | 1 | PLATE, AIR MOVER MOUNT | | |
| 4 | 86337700 | 1 | FAN ASM, DEHU 250MM | | |
| 5 | 86264920 | 1 | CABLE TIE, .19 X 7 | | |
| 6 | 86173320 | 4 | WASHER, M4, FL, ISO7089, SST | | |
| 7 | 86173310 | 4 | WASHER,SPRING LK,6MM,DIN127B,SS | | |
| 8 | 86172870 | 4 | SCR, M4X14, PPHMS, ISO7045,SST | | |
| 9 | 86134850 | 4 | WASHER,SPRING LK,4MM,DIN127B,SS | | |
| 10 | 86013850 | 8 | WASHER, M6, FNDR, ISO7039,SS | | |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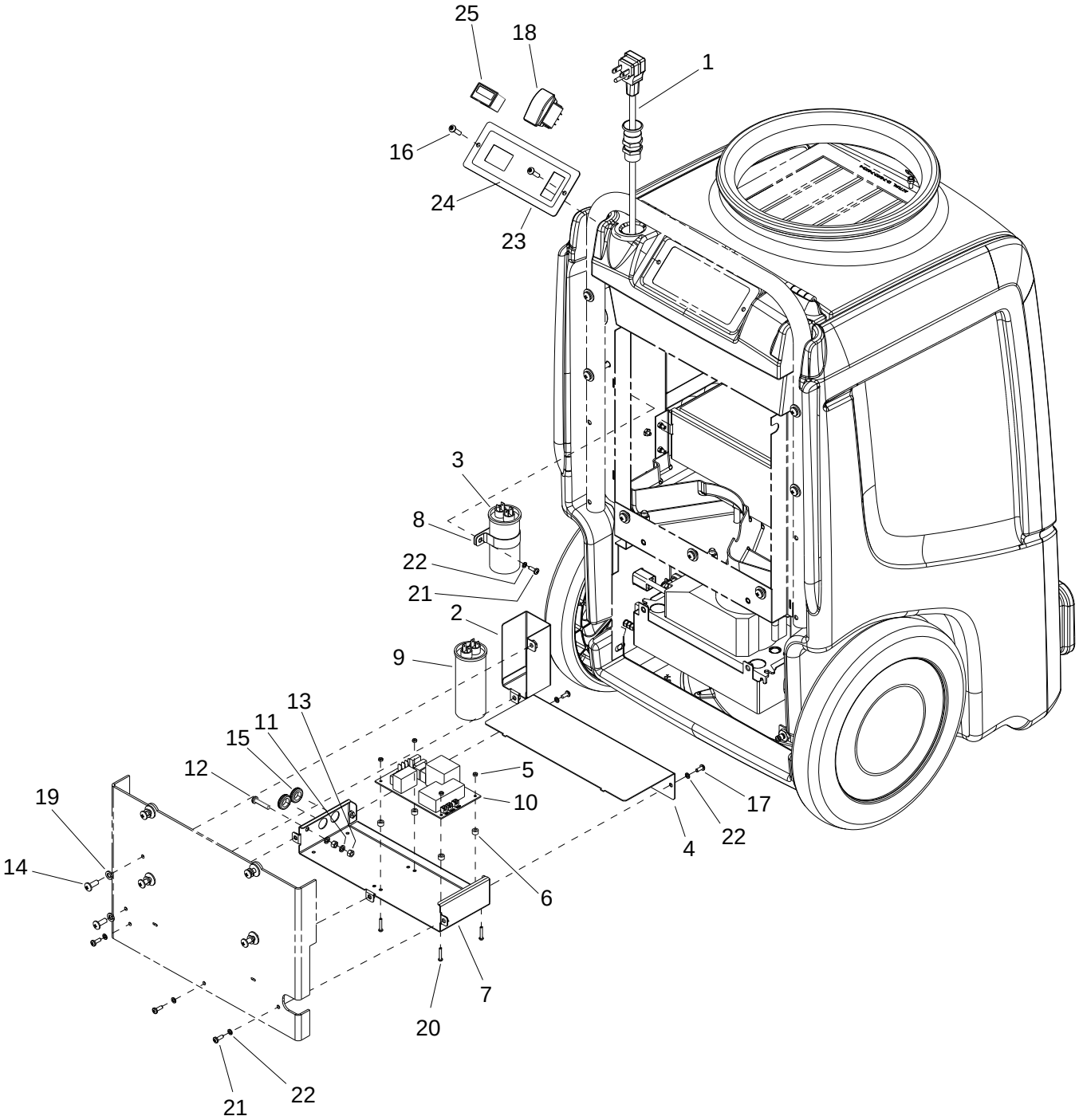
| REF | PART NO. | QTY | DESCRIPTION | SERIAL NO. FROM | NOTES |
|---|---|---|---|---|---|
| 1 | 86350050 | 1 | DISCHARGE TUBE | | |
| 2 | 86172650 | 3 | NUT, M6, LK, ISO7040, SST | | |
| 3 | 86337650 | 1 | AIR TO AIR HEAT EXCHANGER | | |
| 4 | 86337630 | 1 | BRKT, COMPRESSOR MOUNT | | |
| 5 | 86337530 | 1 | ACCUMULATOR, SUPPLEMENTAL | | |
| 6 | 86337510 | 1 | COMPRESSOR, R410-A, 8200 | | |
| 7 | 86013850 | 3 | WASHER, M6, FNDR, ISO7093, SS | | |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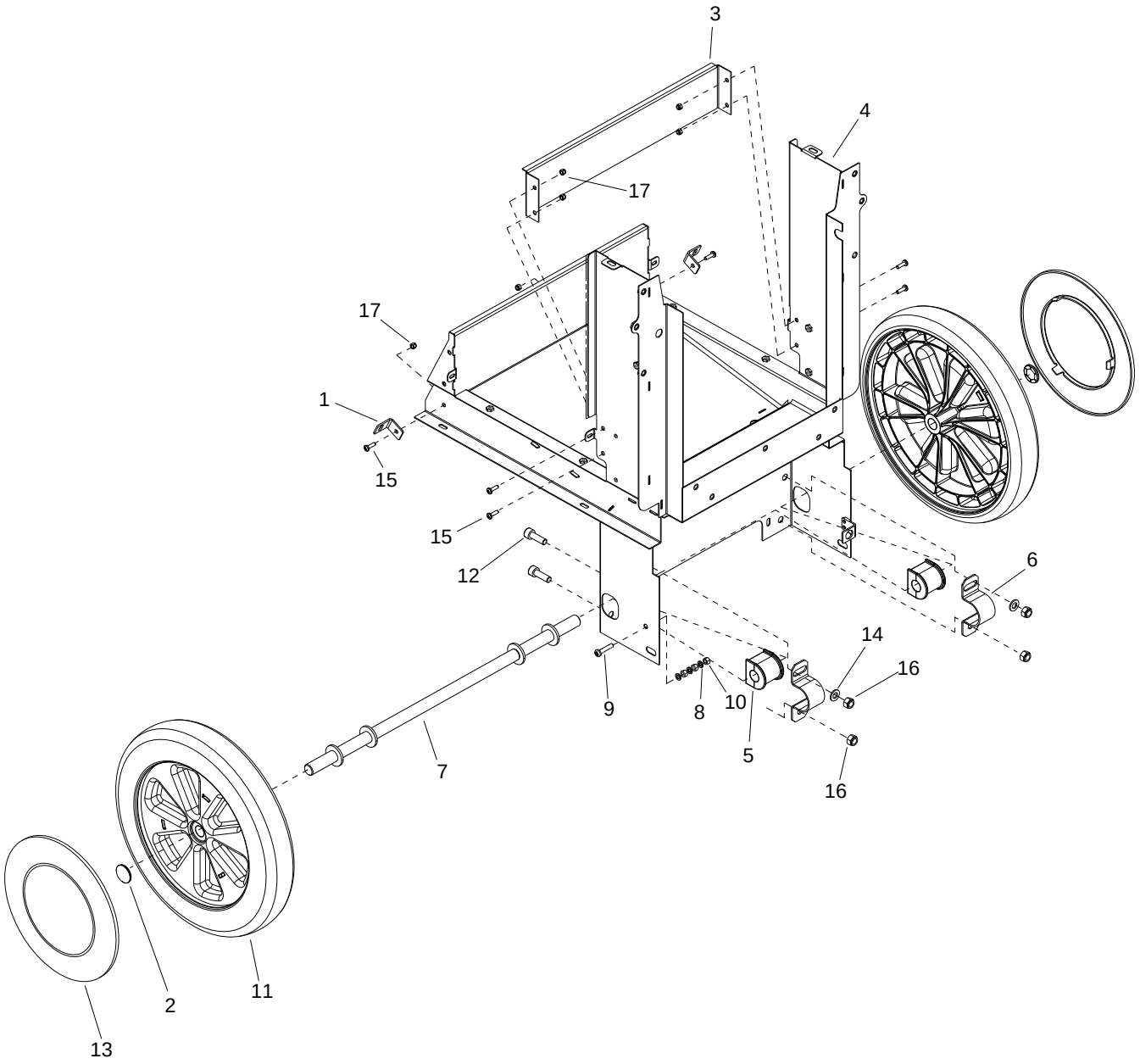
| REF | PART NO. | QTY | DESCRIPTION | SERIAL NO. FROM | NOTES |
|---|---|---|---|---|---|
| 1 | 86349620 | 1 | CORD ASSY, 14/3 SJT X 30' BLK | | |
| 2 | 86346210 | 1 | CASE, CAPACITOR | | |
| 3 | 86343660 | 1 | CAPACITOR, 45 µF | | |
| 4 | 86343260 | 1 | COVER, DEHU ELECTRICAL | | |
| 5 | 86343250 | 4 | NUT, HEX M3 | | |
| 6 | 86343240 | 4 | SPACER, M3 X 5mm | | |
| 7 | 86343220 | 1 | FRAME, DEHU ELECTRICAL | | |
| 8 | 86342910 | 1 | CLAMP 40MM ID | | |
| 9 | 86341930 | 1 | CAPACITOR, 25 µF | | |
| 10 | 86337760 | 1 | PCBA, DEHU DEFROST | | |
| 11 | 86331810 | 2 | WASHER, M5 SPLIT LOCK SS | | |
| 12 | 86331700 | 1 | SCR, M5 X 25 PPHMS SS | | |
| 13 | 86331680 | 2 | NUT, M5 HEX SS | | |
| 14 | 86302700 | 2 | SCR, M6 X 16 PH, SS | | |
| 15 | 86297930 | 2 | GROMMET, RUBBER | | |
| 16 | 86276290 | 2 | SCR, #10 X 3/4 PPHST HI-LO BLK | | |
| 17 | 86274240 | 2 | SCR, M4 X.7X10PPHMS DIN7985PLT | | |
| 18 | 86256940 | 1 | SWITCH SPOT ROCKER | | |
| 19 | 86173310 | 2 | WASHER,SPRING LK,6MM,DIN127B,SS | | |
| 20 | 86173110 | 4 | SCR,M3X16,BSHCS,ISO7380,SST | | |
| 21 | 86172860 | 4 | SCR, M4X12, PPHMS, ISO7045,SST | | |
| 22 | 86134850 | 6 | WASHER,SPRING LK,4MM,DIN127B,SS | | |
| 23 | 86337750 | 1 | PLATE,CONTROL PANEL | | |
| 24 | 86351580 | 1 | LABEL, CONTROL PANEL | | |
| 25 | 86315470 | 1 | METER, HOUR ICD | | |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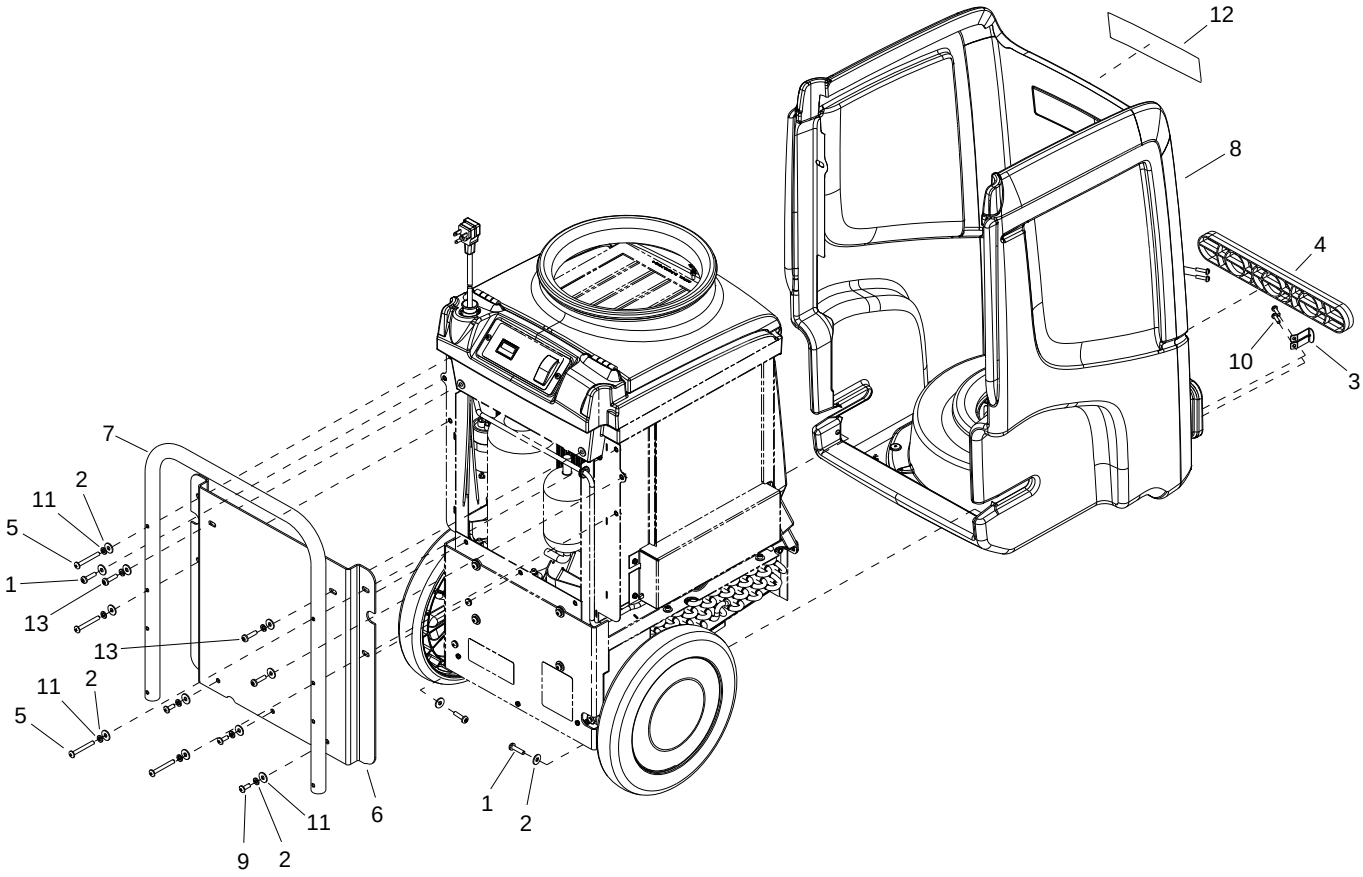
| REF | PART NO. | QTY | DESCRIPTION | SERIAL NO. FROM | NOTES |
|---|---|---|---|---|---|
| 1 | 86341010 | 2 | BRKT, ATTACHMENT | | |
| 2 | 86001660 | 2 | HUBCAP, 5/8 SHAFT | | |
| 3 | 86337600 | 1 | BRKT, REAR ATAXH SUPPORT | | |
| 4 | 86337540 | 1 | FRAME ASSY, DEHU | | |
| 5 | 86337480 | 2 | BUSHING, 5/8" AXLE | | |
| 6 | 86337470 | 2 | BRKT, AXLE MOUNT | | |
| 7 | 86337450 | 1 | AXLE, DEHU | | |
| 8 | 86331810 | 3 | WASHER, M5 SPLIT LOCK SS | | |
| 9 | 86331700 | 1 | SCR, M5 X 25 PPHMS SS | | |
| 10 | 86331680 | 3 | NUT, M5 HEX SS | | |
| 11 | 86309790 | 2 | WHEEL, 12" X 2.25" | | |
| 12 | 86273700 | 4 | SCR, M8 X 25MM SHCS SS | | |
| 13 | 86219480 | 2 | HUBCAP, 9.75" WHEEL | | |
| 14 | 86173300 | 2 | WASHER, M8, FL, ISO7089, SST | | |
| 15 | 86172870 | 6 | SCR, M4X14, PPHMS, ISO7045,SST | | |
| 16 | 86172640 | 4 | NUT, M8, LK, ISO7040,SST | | |
| 17 | 86172630 | 6 | NUT, M4, LK, ISO7040,SST | | |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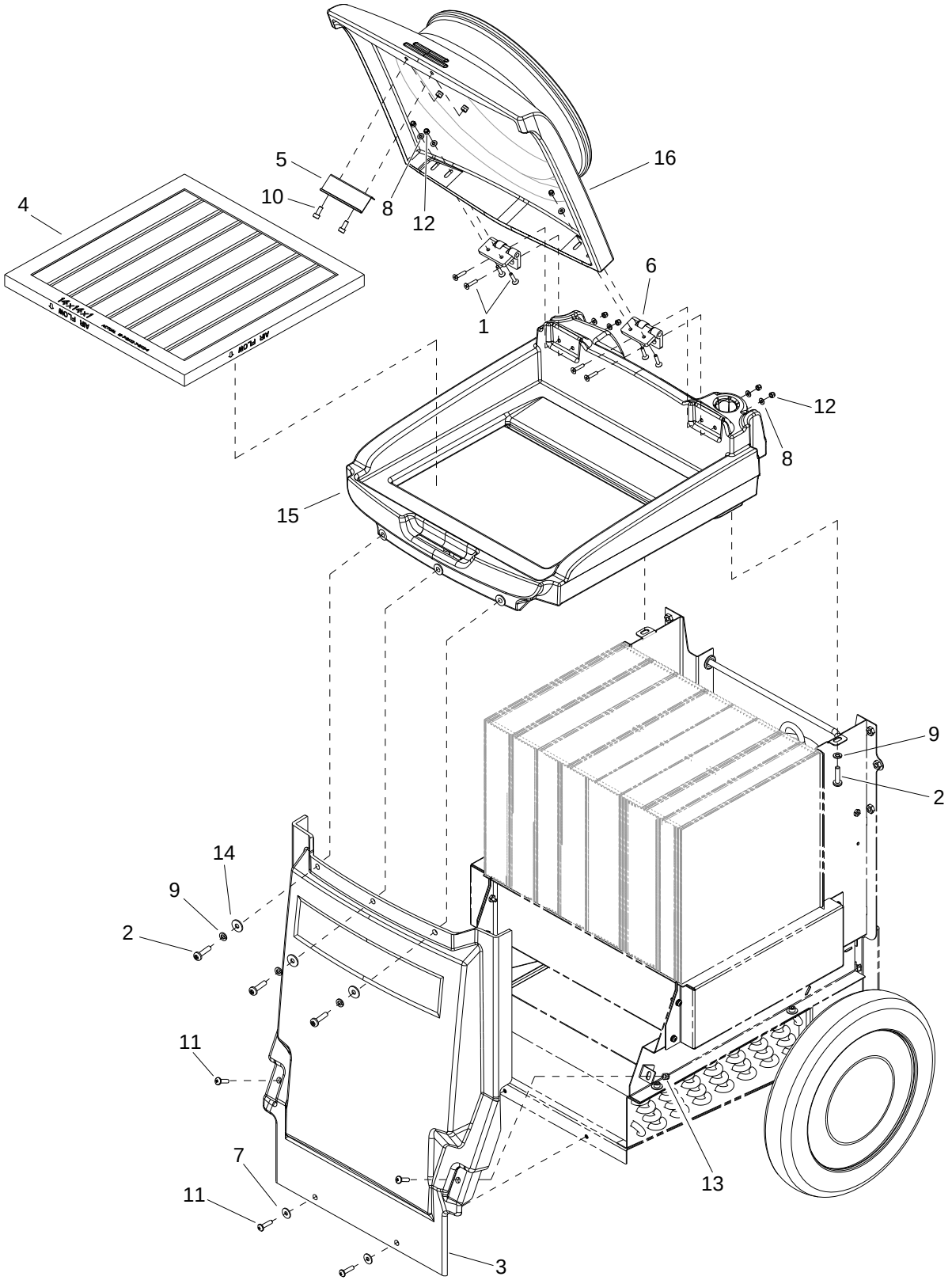
| REF | PART NO. | QTY | DESCRIPTION | SERIAL NO. FROM | NOTES |
|---|---|---|---|---|---|
| 1 | 86349360 | 4 | SCR, PHMS M6 X 25 SS | | |
| 2 | 86013850 | 16 | WASHER, M6, FNDR, ISO7039,SS | | |
| 3 | 86341780 | 2 | BRKT, GUARD | | |
| 4 | 86341770 | 1 | GUARD, FRONT, DEHU | | |
| 5 | 86340860 | 4 | SCR, M6 X 50 PHMS SS | | |
| 6 | 86350540 | 1 | PLATE, BACK PANEL WITH GASKET | | |
| 7 | 86337440 | 1 | HANDLE, DEHU | | |
| 8 | 86333040 | 1 | HOUSING, DEHU, TRIMMED | | |
| 9 | 86302700 | 3 | SCR, M6 X 16 PH, SS | | |
| 10 | 86276290 | 4 | SCR, #10 X 3/4 PPHST HI-LO BLK | | |
| 11 | 86173310 | 14 | WASHER,SPRING LK,6MM,DIN127B,SS | | |
| 12 | 86337770 | 1 | LABEL, TRIDENT 110 | | |
| 13 | 86353670 | 2 | SCR, M6 X 30 PHMS SS | | |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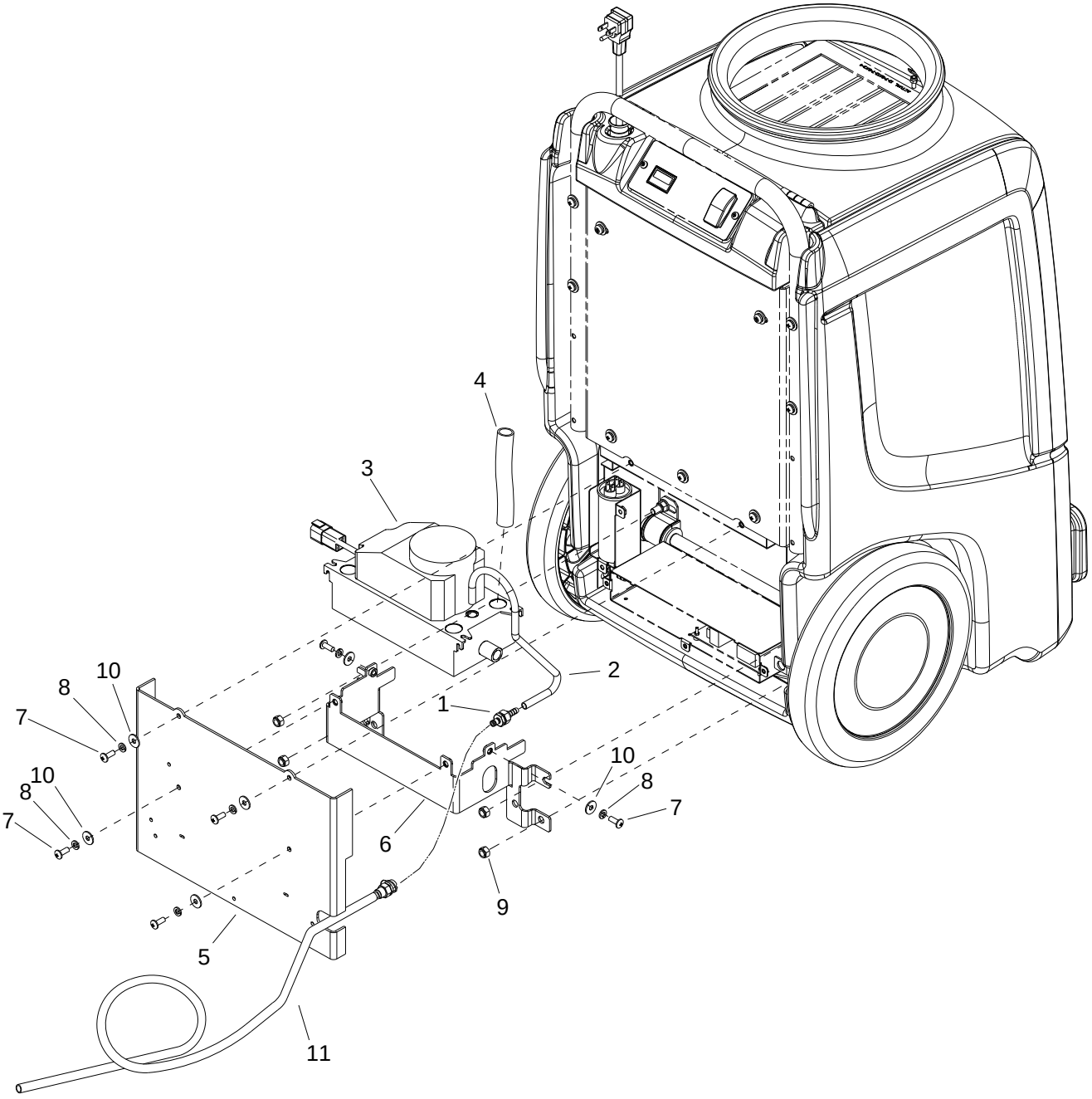
| REF | PART NO. | QTY | DESCRIPTION | SERIAL NO. FROM | NOTES |
|---|---|---|---|---|---|
| 1 | 86349400 | 8 | SCR, M4 X 20 FHMS SS | | |
| 2 | 86349360 | 5 | SCR, M4 X 25 PHMS SS | | |
| 3 | 86349230 | 1 | FAIRING W/ SEALS | | |
| 4 | 86337460 | 1 | FILTER, 14 X 14 X 1 MIRV | | |
| 5 | 86337430 | 1 | CATCH LEVER | | |
| 6 | 86337420 | 2 | HINGE, 2 X 1.2 PLASTIC | | |
| 7 | 86173330 | 2 | WASHER, M5, FLAT, ISO7093, SS | | |
| 8 | 86173320 | 8 | WASHER, M4, FLAT, DIN125 SST | | |
| 9 | 86173310 | 5 | WASHER,SPRNG LK,M6,DIN127B,SST | | |
| 10 | 86172950 | 2 | SCR, M5X12, SHCS, ISO4762, SS | | |
| 11 | 86172820 | 4 | SCR,M5 X 20 ,PHMS,ISO7045, SST | | |
| 12 | 86172630 | 8 | NUT, M4, LK, ISO7040,SST | | |
| 13 | 86024750 | 2 | NUT, M5 HEX NYLOCK, SS | | |
| 14 | 86013850 | 3 | WASHER, M6, FNDR, ISO7093, SS | | |
| 15 | 86349220 | 1 | HOUSING UPPER W/ SEALS | | |
| 16 | 86351480 | 1 | LID ASSY, INTAKE | | INCLUDES ITEMS 5, 10 |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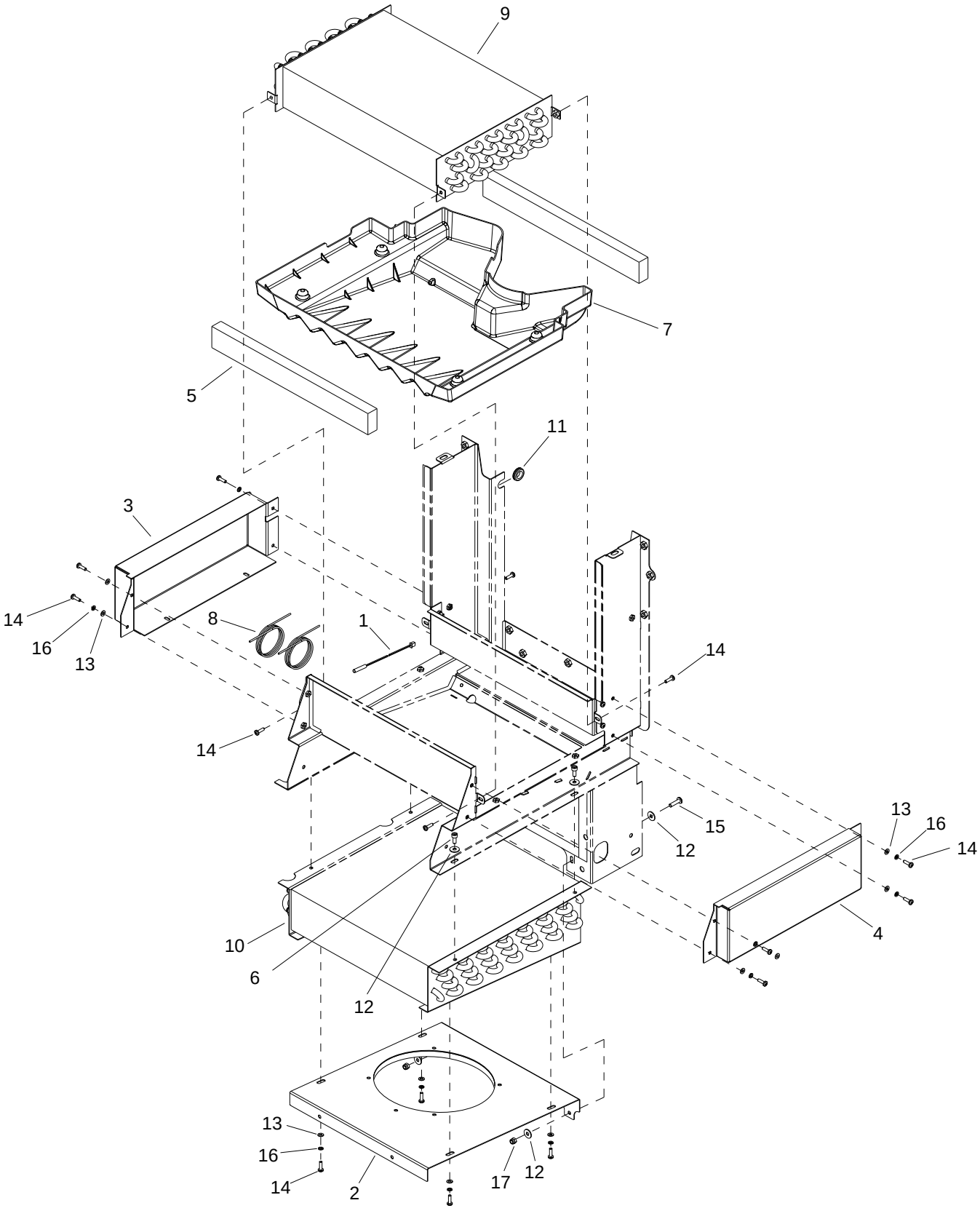
| REF | PART NO. | QTY | DESCRIPTION | SERIAL NO. FROM | NOTES |
|---|---|---|---|---|---|
| 1 | 86351420 | 1 | FITTING, QUICK DISCONNECT | | |
| 2 | 86341910 | 1 | TUBE, CONDENSATE PUMP | | |
| 3 | 86341900 | 1 | PUMP ASSY, DEHU | | |
| 4 | 86341710 | 1 | HOSE, .5" ID X 5.25" LONG | | |
| 5 | 86337720 | 1 | PLATE, BACK PLATE | | |
| 6 | 86350040 | 1 | BRKT, PUMP MOUNT | | |
| 7 | 86302700 | 6 | SCR, M6 X 16 PH, SS | | |
| 8 | 86173310 | 6 | WASHER,SPRING LK,6MM,DIN127B,SS | | |
| 9 | 86172640 | 4 | NUT, M8, LK, ISO7040,SST | | |
| 10 | 86013850 | 6 | WASHER, M6, FNDR, ISO7039,SS | | |
| 11 | 86351340 | 1 | TUBE, DISCHARGE SERVICE KIT | | INCLUDES 86351420 |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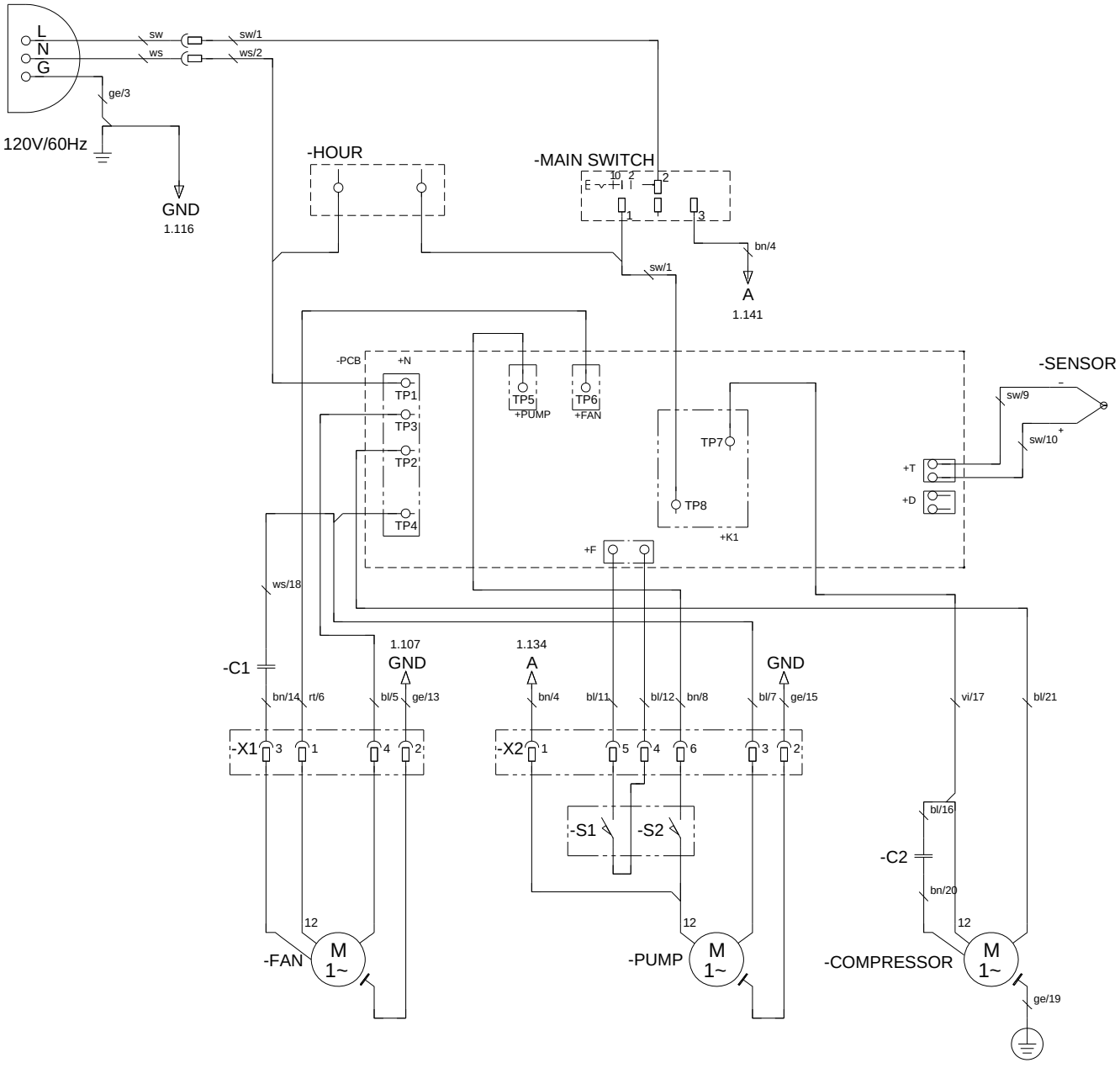
| REF | PART NO. | QTY | DESCRIPTION | SERIAL NO. FROM | NOTES |
|---|---|---|---|---|---|
| 1 | 86349390 | 1 | THERMISTOR ASSY | | |
| 2 | 86349270 | 1 | FAN SHROUD W/SEALS | | |
| 3 | 86349250 | 1 | RIGHT CAP W/SEAL | | |
| 4 | 86349240 | 1 | LEFT CAP W/SEAL | | |
| 5 | 86349190 | 2 | GASKET, EVAP COIL | | |
| 6 | 86172950 | 4 | SCR, M5X12, SHCS, ISO4762, SS | | |
| 7 | 86340990 | 1 | TRAY, CONDENSATE LINER | | |
| 8 | 86337520 | 2 | CAPILLARY TUBE .049 X 48 IN | | |
| 9 | 86337500 | 1 | EVAPORATOR 110 PINT | | |
| 10 | 86337490 | 1 | CONDENSER, 110 PINT | | |
| 11 | 86297930 | 1 | GROMMET, RUBBER | | |
| 12 | 86173330 | 8 | WASHER, M5, FLAT, ISO7093, SS | | |
| 13 | 86173320 | 12 | WASHER, M4, FL, ISO7089, SST | | |
| 14 | 86172870 | 20 | SCR, M4X14, PPHMS, ISO7045,SST | | |
| 15 | 86172820 | 2 | SCR, M5X20, PPHMS, ISO7045,SST | | |
| 16 | 86134850 | 15 | WASHER,SPRING LK,4MM,DIN127B,SS | | |
| 17 | 86024750 | 2 | NUT, M5 HEX NYLOCK, SS | | |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-COMPRESSOR
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| REF | PART NO. | QTY | DESCRIPTION | SERIAL NO. FROM | NOTES |
|---|---|---|---|---|---|
| - | 86337830 | 1 | HARNESS, DEHU 110 PINT | | |
| - | 86351670 | 1 | HARNESS, DEHU HOUR METER | | |

| PART NO. | DESCRIPTION | SERIAL NO. FROM | NOTES |
|---|---|---|---|
| 86349620 | CORD ASSY, 14/3 SJT X 30' BLK | | |
| 86343660 | CAPACITOR, 45 µF | | |
| 86341930 | CAPACITOR, 25 µF | | |
| 86256940 | SWITCH SPOT ROCKER | | |
| 86315470 | METER, HOUR ICD | | |
| 86309790 | WHEEL, 12" X 2.25" | | |
| 86219480 | HUBCAP, 9.75" WHEEL | | |
| 86001660 | HUBCAP, 5/8 SHAFT | | |
| 86013850 | WASHER, M6, FNDR, ISO7039,SS | | |
| 86341780 | BRKT, GUARD | | |
| 86341770 | GUARD, FRONT, DEHU | | |
| 86340860 | SCR, M6 X 50 PHMS SS | | |
| 86276290 | SCR, #10 X 3/4 PPHST HI-LO BLK | | |
| 86173310 | WASHER, SPRING LK, 6MM, DIN127B, SS | | |
| 86337460 | FILTER, 14 X 14 X 1 MIRV | | |
| 86349390 | THERMISTOR ASSY | | |
| 86351420 | FITTING, QUICK DISCONNECT | | |
| 86341910 | TUBE, CONDENSATE PUMP | | |
| 86341900 | PUMP ASSY, DEHU | | |
| 86341710 | HOSE, .5" ID X 5.25" LONG | | |
| 86351340 | TUBE, DISCHARGE SERVICE KIT | | |

| REF. NO. | MODEL: SERIAL # |
|---|---|
| 1 | N/A |